PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference AZ02-171WODA	FOR FURTHER ACTION as	see Form PCT/ISA/220 well as, where applicable, item 5 below.
International application No. PCT/KR 2004/001029	(Earliest) Priority Date (day/month/year) 11 June 2003 (11.06.2003)	International filing date (day/month/year) 3 May 2004 (03.05.2004)
Applicant .	LG ELECTRONICS INC.	
This international search report has been according to Article 18. A copy is being	prepared by this International Searching Authorisms transmitted to the International Bureau.	nority and is transmitted to the applicant
This international search report consists	of a total of <u>5</u> sheets. a copy of each prior art document cited in this	Tonort
This also accompanied by	a copy of each prior art document ched in this	report.
language in which it was filed, ur	international search was carried out on the bas aless otherwise indicated under this item.	
The international to this Authority	search was carried out on the basis of a transl (Rule 23.1(b)).	ation of the international application furnished
b. With regard to any nucleotic	le and/or amino acid sequence disclosed in t	he international application, see continuation of this first sheet.
2. Certain claims were foun	d unsearchable (see continuation of this first	cheet)
	ing (see continuation of this first sheet)	Silvery
4. With regard to the title,		
the text is approved as sub		
the text has been established	ed by this Authority to read as follows:	
5. With regard to the abstract,		
the text is approved as sub	mitted by the applicant.	
the text has been established sheet. The applicant may, comments to this Authorit	within one month from the date of mailing of	y as it appears in the continuation of this first this international search report, submit
6. With regard to the drawings,		
	ublished with the abstract is Figure No.	<u>L</u>
as suggested by the applica	ant.	
as selected by this Authori	ty, because the applicant failed to suggest a fig	gure.
·	ty, because this figure better characterizes the	
b. \square none of the figures is to be p		

10/560084 IAP9 Rec'd PCT/PTO 09 DEG 2005

INTERNATIONAL SEARCH REPORT

International application No. PCT/KR 2004/001029

Continuation No. IV:

Text of the abstract

(Continuation of item 5 of the first sheet)

Disclosed is a rotary compressor having two compression capacities in clockwise and counterclockwise directions. The rotary compressor includes: a driving shaft (13) being rotatable clockwise and counterclockwise, and having an eccentric portion (13a) of a predetermined size; a cylinder (21) having a predetermined inner volume; roller (22) installed rotatably on an outer circumference of the eccentric portion (13a) so as to contact an inner circumference of the cylinder, performing a rolling motion along the inner circumference and forming a fluid chamber (29) to suck and compress fluid along with the inner circumference; a vane (23) installed elastically in the cylinder to contact the roller; upper and lower bearing (24,25) installed respectively in upper and lower portions of the cylinder (21), for rotatably supporting the driving shaft (13) and hermetically sealing the inner volume; suction (27) and discharge ports (26) communicating with the fluid chamber (29) depending on the rotational direction of the driving shaft (13).

A. CLASSIFICATION OF SUBJECT MATTER F04C 29/10, F04C 15/04, F04C 29/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPODOC, WPI; search terms: reversible, compressor

C. DOCUM	IENTS CONSIDERED TO BE RELEVANT			
Category*	* Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
A .	US 4598559 (TOMAYKO) 8 July 1986 abstract; fig. 1-6; column 1, lines 43-58	5 (08.07.1986) 3.	1,2,4-10,13, 14,19,20,30, 37- 41,56,63, 76, 79,81,87, 89, 98,101-106, 110,115	
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▼ Further	documents are listed in the continuation of Box C.	See patent family annex.		
"A" documer to be of "E" earlier a filing da "L" documer cited to special r "O" documer means "P" documer	categories of cited documents: Int defining the general state of the art which is not considere particular relevance pplication or patent but published on or after the internationate It which may throw doubts on priority claim(s) or which i establish the publication date of another citation or other eason (as specified) Interferring to an oral disclosure, use, exhibition or other interpublished prior to the international filing date but later that rity date claimed	to understand the principle or the all "X" document of particular releving cannot be considered novel or can inventive step when the document of particular releving cannot be considered to involved document is combined with documents, such combination skilled in the art "&" document member of the same	with the application but cited eory underlying the invention ance; the claimed invention annot be considered to involve the claimed invention and the claimed invention the an inventive step when the one or more other such being obvious to a person patent family	
Date of the	actual completion of the international search 10 August 2004 (10.08.2004)	Date of mailing of the international s 6 September 2004	earch report (06.09.2004)	
	nailing address of the ISA/ AT Austrian Patent Office esdner Straße 87, A-1200 Vienna	Authorized officer HÖRZER	K.	
Facsimile N	io. +43 / 1 / 534 24 / 535	Telephone No. +43 / 1 / 534 24	/ 359	

International application No. PCT/KR 2004/001029

	PCT/KR	2004/001029
C (Continuat	ion). DOCUMENTS CONSIDERED TO BE RELEVANT	
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Α	US 2812128 (BOSCH) 5 November 1957 (05.11.1957) fig. 1,2; column 1, line 59 - column 2, line 9; column 5, lines 21-28.	1,71,72,73,78, 79,81,82
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A	US 4629403 A (WOOD) 16 December 1986 (16.12.1986) fig. 1,2; column 5, lines 43-47.	1,12,52

INTERN IONAL SEARCH REPORT Information on patent family members

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